

**To:** Bair, Rita[bair.rita@epa.gov]  
**Cc:** Poy, Thomas[poy.thomas@epa.gov]; Porter, Andrea[porters.andrea@epa.gov]; Bosscher, Valerie[bosscher.valerie@epa.gov]; Shoven, Heather[shoven.heather@epa.gov]  
**From:** Johnson, Mark  
**Sent:** Tue 8/16/2016 5:59:46 PM  
**Subject:** RE: AS REQUESTED: East Chicago Drinking Water System

Thanks Rita and Andrea.

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Mark D. Johnson, PhD, DABT

Regional Director/Toxicologist

Agency for Toxic Substances and Disease Registry (ATSDR)

77 W. Jackson Blvd.

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**From:** Bair, Rita  
**Sent:** Tuesday, August 16, 2016 12:27 PM  
**To:** Johnson, Mark <johnson.mark@epa.gov>  
**Cc:** Poy, Thomas <poy.thomas@epa.gov>; Porter, Andrea <porters.andrea@epa.gov>; Bosscher, Valerie <bosscher.valerie@epa.gov>; Shoven, Heather <shoven.heather@epa.gov>  
**Subject:** RE: AS REQUESTED: East Chicago Drinking Water System

90<sup>th</sup> percentile

**From:** Johnson, Mark  
**Sent:** Tuesday, August 16, 2016 11:37 AM  
**To:** Bair, Rita <bair.rita@epa.gov>; Deltoral, Miguel <deltoral.miguel@epa.gov>; Rowan, Anne <rowan.anne@epa.gov>; Brown, Jaime <brown.jaime@epa.gov>; Bassler, Rachel

<Bassler.Rachel@epa.gov>; Kelley, Jeff <kelley.jeff@epa.gov>; Cassell, Peter  
<cassell.peter@epa.gov>; Cannon, Phillippa <Cannon.Phillippa@epa.gov>; Mitchell, James  
<mitchell.james@epa.gov>; Deamer, Eileen <deamer.eileen@epa.gov>  
**Cc:** Poy, Thomas <poy.thomas@epa.gov>; Porter, Andrea <porter.andrea@epa.gov>; Bosscher,  
Valerie <bosscher.valerie@epa.gov>; Shoven, Heather <shoven.heather@epa.gov>  
**Subject:** RE: AS REQUESTED: East Chicago Drinking Water System

Rita

What does the lead concentration under Measure (mg/L) for the 30 samples represent (e.g. average, 90<sup>th</sup> percentile)? I found the same table on the IDEM website, but it does not describe what it is reporting.

Mark

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**From:** Bair, Rita

**Sent:** Tuesday, August 16, 2016 8:20 AM

**To:** Deltoral, Miguel <deltoral.miguel@epa.gov>; Rowan, Anne <rowan.anne@epa.gov>;  
Brown, Jaime <brown.jaime@epa.gov>; Bassler, Rachel <Bassler.Rachel@epa.gov>; Johnson,  
Mark <johnson.mark@epa.gov>; Kelley, Jeff <kelley.jeff@epa.gov>; Cassell, Peter

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**Cc:** Poy, Thomas <poy.thomas@epa.gov>; Porter, Andrea <porter.andrea@epa.gov>; Bosscher, Valerie <bosscher.valerie@epa.gov>; Shoven, Heather <shoven.heather@epa.gov>  
**Subject:** RE: AS REQUESTED: East Chicago Drinking Water System

Here's what I gave Tinka a few weeks ago.

**From:** Bair, Rita  
**Sent:** Monday, August 01, 2016 3:49 PM  
**To:** Hyde, Tinka <hyde.tinka@epa.gov>  
**Cc:** Henry, Timothy <henry.timothy@epa.gov>; Poy, Thomas <poy.thomas@epa.gov>  
**Subject:** East Chicago Drinking Water System

Here are some factoids about East Chicago's Water System that you asked for.

- The East Chicago Water Works (IN5245012) is a surface water system utilizing Lake Michigan water that serves 29,500 people.
- The last violation they had was a DBP M&R violation in the first quarter of CY2016.
- In 2015 they had a treatment technique violation for the month of June for an IESWTR filter violation. The violation was returned to compliance on 8/4/15. No other violations have occurred since 1994.
- The last lead and copper sampling was done for the 2012-2014 time period. There have been no ALEs. A copy of the lead results dating back to 1995 are below.

Let me know if you need anything else.

Monitoring	Monitoring	Number	Measure	Water	Date
Period				System	

Period Begin Date	End Date	of Samples	(mg/l)	Facility State Asgn ID No.	Summary Received	
01-01-2012	12-31-2014	30	.0078	DS001	08-26-2014	Lead
01-01-2011	12-31-2013	30	.0036	DS001	08-02-2011	Lead
01-01-2008	12-31-2010	30	.0077	DS001		Lead
01-01-2005	12-31-2007	30	.005	DS001		Lead
01-01-2002	12-31-2004	30	.0037	DS001		Lead
01-01-1999	12-31-2001	30	.0005	DS001		Lead
01-01-1996	12-31-1996	30	.012	DS001		Lead
01-01-1995	12-31-1995	30	.012	DS001		Lead